

Converting Colors

CIELCh(47, 56.159, 134.721)

Have a look what the booklet for
CIELCh(47, 56.159, 134.721)
contains.

CIELCh(47, 55.875, 134.731)	3
<i>Conversions</i>	4
<i>Details</i>	6
<i>Harmonies</i>	12
<i>Previews</i>	21
<i>Color Blindness Simulation</i>	24
<i>CSS Examples</i>	27

Color

CIELCh(47, 55.875, 134.731)

Conversions

Conversions Part 1

Format	Color
Hex	387E26
RGB	56, 126, 38
RGB Percent	22%, 49%, 15%
CMY	0.7787, 0.5043, 0.8495
CMYK	0.55, 0.00, 0.70, 0.50
HSL	108°, 53%, 32%
HSV	108°, 70%, 50%
XYZ	9.5230, 16.0195, 4.4568
YIQ	95.0380, -13.4720, -42.2080

Conversions

Conversions Part 2

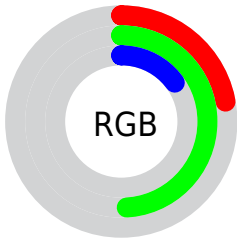
Format	Color
R_{YB}	38, 126, 108
Decimal	3702310
CIE Lab	47.00, -39.32, 39.69
CIE LCh	47, 55.875, 134.731
Yxy	16.0195, 0.3174, 0.5340
Android (android.graphics.Color)	4281892390 (0xFF387E26)
YUV	95.0380, -28.1197, -34.2363
Hunter-Lab	40.0243, -27.5721, 21.4150

Details

The CIELCh color **47, 55.875, 134.731** is a dark color, and the websafe version is hex **006600**. A complement of this color would be **30, 56.970, 321.169**, and the grayscale version is **41, 0.006, 296.813**.

A 20% lighter version of the original color is **67, 55.571, 134.790**, and **27, 49.854, 136.062** is the 20% darker color. If you saturate the color by 10%, you get **47, 61.700, 134.346**, and if you desaturate by 10%, it is **48, 49.010, 135.293**.

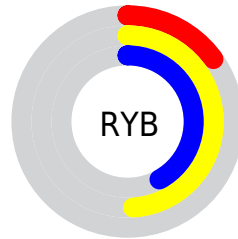
Distribution



Red (22%)

Green (49%)

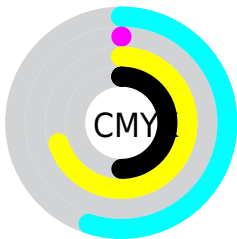
Blue (15%)



Red (15%)

Yellow (49%)

Blue (42%)

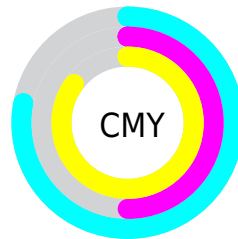


Cyan (55%)

Magenta (0%)

Yellow (70%)

Black (50%)



Cyan (78%)


Magenta (50%)


Yellow (85%)


Brightness & Saturation Gradients


These gradients show how the CIELCh color 47, 55.875, 134.731 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the CIELCh color 47, 55.875, 134.731 by changing the saturation by 10% instead.


 47, 55.875,
134.731


 47, 55.875,
134.731


 100, 55.875,
134.731


 37, 55.875,
134.731

 67, 55.875,
134.731


 27, 55.875,
134.731

 77, 55.875,
134.731

 17, 55.875,
134.731

 87, 55.875,
134.731

 7, 55.875, 134.731

 97, 55.875,
134.731

 0, 55.875, 134.731

 47, 55.875,

 47, 55.875,

134.731

■ 47, 61.700,
134.346

■ 46, 66.151,
134.250

■ 46, 69.442,
134.276

■ 46, 69.561,
134.269

134.731

■ 48, 49.010,
135.293

■ 48, 41.420,
135.929

■ 49, 33.363,
136.573

■ 50, 25.033,
137.186

■ 51, 16.576,
137.748

■ 52, 8.099, 138.257

■ 53, 0.317, 318.212

■ 54, 8.617, 319.044

■ 56, 16.761,

Harmonies

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



47, 55.875, 134.731



30, 56.970, 321.169

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



47, 55.875, 134.731



47, 55.875, 184.731



47, 55.875, 314.731



47, 55.875, 4.731

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



47, 55.875, 134.732



64, 21.863, 137.648



46, 39.993, 91.140



33, 14.727, 137.526



84, 0.010, 296.813



35, 0.005, 296.813

Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



47, 55.875, 134.732



59, 77.924, 134.245



47, 48.584, 146.475



26, 4.773, 138.283



46, 70.005, 134.278



0, 0.000, 0.000

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



30, 56.970, 321.169



35, 78.924, 321.132



31, 47.821, 339.083



25, 4.799, 319.027



25, 70.433, 320.752



0, 0.000, 0.000

Previews

White Background



This preview shows how the CIELCh color 47, 55.875, 134.731 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

Black Background



This preview shows how the CIELCh color 47, 55.875, 134.731 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

CIELCh 47, 55.875, 134.731

Background



This preview shows how black text looks on a background with the CIELCh color 47, 55.875, 134.731.



This preview shows how white text looks on a background with the CIELCh color 47, 55.875, 134.731.

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color
47, 55.875, 134.731

Protanopia
47, 42.885, 95.743

Deuteranopia
47, 37.948, 80.182



Tritanopia
47, 16.067, 219.727

Trichromacy



Original Color
47, 55.875, 134.731

Protanomaly
46, 44.951, 114.989

Deuteranomaly
46, 39.208, 108.189

Tritanomaly
47, 25.701, 159.956

Monochromacy



Original Color
47, 55.875, 134.731

Achromatopsia
40, 0.006, 296.813

Achromatomaly
42, 21.977, 136.794

CSS Examples

Text

The CSS property to change the color of the text to CIELCh 47, 55.875, 134.731 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(56, 126, 38)` looks like.

```
.text, #text, p{  
    color:rgb(56, 126, 38)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(56, 126, 38) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(56, 126, 38) }
```

Border

The CSS property to change the border of an element to CIELCh 47, 55.875, 134.731 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(56, 126, 38) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(56, 126, 38) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(56, 126, 38)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(56, 126, 38); -webkit-box-  
shadow:4px 4px 4px 4px rgb(56, 126, 38);  
box-shadow:4px 4px 4px 4px rgb(56, 126,  
38) }
```

Background

The CSS property to change the background color of an element to CIELCh 47, 55.875, 134.731 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(56, 126, 38) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(56, 126,  
38) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

Hey! You found this booklet interesting? Support Converting Colors with the new Membership Option!

The pro membership hides all ads, plus gives you double the colors in the color bucket, and more awesome pro features!

[Learn more, Memberships starting at \\$2.50/m!](#)

**Follow me
on Twitter!**

@ConvertingColor